Project Development Phase Model Performance Test

Date	10 November 2023
Team ID	593074
Project Name	Al powered Weapon Detection System
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
	Model Summary	-	Model summary (fused): 168 layers, 11125971 parameters, 0 gradients, 28.4 Class Images Instances Box(P R m all 732 815 0.413 0.363 0
	Accuracy	Training Accuracy -	Epocn
		Validation Accuracy -	Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 43/50 0G 0.7265 1.175 1.196 5 640: 100% 9/9 [02:05-00 Class Images Instances Box(P R mAP50 mAP50-95): 100% 1/ all 29 29 0.803 0.64 0.645 0.466
			Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 44/50 06 0.6954 1.14 1.299 5 649: 100% 9/9 [02:04-00 Class Images Instances Box(P R mAP50 mAP50-95): 100% 1/ all 29 29 0.775 0.674 0.655 0.483
			Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 45/50 06 0.7123 1.09 1.3 5 640: 100% 9/9 [02:02-00 Class Images Instances Box/P R mAP50 mAP50-95): 100% 1/ all 29 29 0.726 0.716 0.672 0.477
			Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 46/50 @ 6 6.6284
			Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 47/50 06 0.6283 1.022 1.114 5 640: 100% 9/9 [02:06-00 Class Images Instances Box/P R mAP50 mAP50-95): 100% 1/ all 29 29 0.78 0.627 0.653 0.44
			Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 48/50 06 0.6458 0.9744 fl_loss Instances Size Class Images Instances Box[P R mAP50 mAP50-95]: 100% 1/ all 29 29 0.724 0.707 0.695 0.446
			Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size 49/50 06 0.5825 0.9801 1.0075 5 640: 100% 9/9 [02:06<00 Class Images Instances Box[P R mAP50 mAP50-95]: 100% 1/ all 29 29 0.736 0.716 0.697 0.46
			Enoch GPU_mem box_loss c1s_loss dfl_loss Instances Size 50/50 06 0.5992 1.045 1.116 Class Images Instances Box(P R mAP90 mAP90-95): 100% 1/ all 29 29 0.742 0.701 0.708 0.469

Confidence Score (Only Yolo Projects)

Class Detected -Handgun, Knife

Confidence Score - 0.7+



Accuracy:

mAP50	mAP50-95):	100% 1/2	[00:07<00:00,	7.87s/it]
0.655	0.483			
0.545	0.441			
0.765	0.525			

Model Summary:

Model summary	(fused):	168 layers,	11125971	parameters,	0 gradients,	28.4 GFL0	Ps		
	Class	Images	Instance	Box(P	R	mAP50	mAP50-95):	100% 46/4	6 [00:11<00:00,
	all	732	81!	0.413	0.363	0.343	0.219		

Confidence Score:

